

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method, comprising:
forming a metal particle of a size suitable for use as a catalyst in forming a nanotube by
an ~~electrochemical-electroless~~ process in a bath; and
once formed, depositing the particle on a semiconductor substrate.
2. (Original) The method of claim of 1, wherein the electrochemical process comprises an
oxidation-reduction reaction.
3. (Original) The method of claim 2, wherein the forming a metal particle comprises
introducing an ionic precursor of the metal particle into a bath and reducing the ionic precursor
by chemical reaction.
4. (Original) The method of claim 1, wherein forming the metal particle comprises forming
an alloy.
5. (Original) The method of claim 4, wherein forming the alloy comprises forming a Group
VIII metal alloy.
6. (Original) The method of claim 4, wherein forming the alloy comprises forming a Group
VI metal alloy.
7. (Original) The method of claim 4, wherein forming the alloy comprises forming an alloy
including a Group VIII metal and a Group VI metal.

Claims 8-35 (Cancelled)

36. (New) The method of claim 1, wherein prior to depositing the particle, the method
further comprises immersing the substrate in the bath.

37. (New) The method of claim 1, wherein depositing the particle comprises dispensing the bath comprising the particle on the substrate.

38. (New) The method of claim 1, wherein prior to depositing the particle, the method comprises extracting the particle from the bath.

39. (New) The method of claim 1, wherein forming a metal particle in a bath comprises mixing metal ions from Group VIII and metal ions from Group VI with one or more reducing agents.

40. (New) The method of claim 39, wherein the one or more reducing agents are alkaline metal-free reducing agents.